

Abstract:**Thesis name:**

The pace of the game in the women's tennis singles at the US Open 2018.

The purpose of thesis:

The purpose of this thesis is finding the pace of the game in rally at the US Open 2018 in the women's tennis singles and comparing the pace of the game in rally after the first serve and after the second serve. Also we want to compare the pace of the opening and closing games, similarly we want to compare the pace of the game in rally in matches with the participation of the selected player.

Method:

The basic method, which has been used in this thesis, is the notational system analysis. The subject of this method was the indirect observing of video recordings 11 women's singles matches at the US Open 2018. The variables monitored were the replacement time and the number of beats in rally. There was a condition for the minimum number of strokes played in rally, which was four or more strokes between players. Based on the recorded data, the pace of the game was calculated by dividing the rally time and beats.

Results:

The average pace of the game is $1,48 \pm 0,06$ seconds. The average number of strokes in rally is $6,68 \pm 0,9$, the average rally time is $9,86 \pm 1,35$. The average pace of rally in the post-filing session was 0,11 seconds slower than the pace of rally in the second post. The difference in the average game pace after the first and after the second serve was confirmed as statistically unimportant. The average pace of rally in matches with the participation of a selected player was 0,13 seconds faster in the opening round than in the final rounds. This difference was confirmed as statistically important.

Keywords:

Pace of game, US Open 2018, tennis, rally